

TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

|                             |  |  |  |  |                               |  |
|-----------------------------|--|--|--|--|-------------------------------|--|
| FORM PTO-892<br>(REV. 2-92) |  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |  | SERIAL NO.<br><b>081405454</b>         | GROUP/ART UNIT<br><b>1816</b> | ATTACHMENT<br>TO<br>PAPER<br>NUMBER<br><b>15</b> |
| NOTICE OF REFERENCES CITED  |  |  |  | APPLICANT(S)<br><b>Sullivan et al.</b> |                               |  |

  

| U.S. PATENT DOCUMENTS |              |      |      |       |           |                            |  |
|-----------------------|--------------|------|------|-------|-----------|----------------------------|--|
| •                     | DOCUMENT NO. | DATE | NAME | CLASS | SUB-CLASS | FILING DATE IF APPROPRIATE |  |
| A                     |              |      |      |       |           |                            |  |
| B                     |              |      |      |       |           |                            |  |
| C                     |              |      |      |       |           |                            |  |
| D                     |              |      |      |       |           |                            |  |
| E                     |              |      |      |       |           |                            |  |
| F                     |              |      |      |       |           |                            |  |
| G                     |              |      |      |       |           |                            |  |
| H                     |              |      |      |       |           |                            |  |
| I                     |              |      |      |       |           |                            |  |
| J                     |              |      |      |       |           |                            |  |
| K                     |              |      |      |       |           |                            |  |

  

| FOREIGN PATENT DOCUMENTS |              |      |         |      |       |           |                            |              |  |
|--------------------------|--------------|------|---------|------|-------|-----------|----------------------------|--------------|--|
| •                        | DOCUMENT NO. | DATE | COUNTRY | NAME | CLASS | SUB-CLASS | PERTINENT<br>SHTS.<br>DWG. | PP.<br>SPEC. |  |
| L                        |              |      |         |      |       |           |                            |              |  |
| M                        |              |      |         |      |       |           |                            |              |  |
| N                        |              |      |         |      |       |           |                            |              |  |
| O                        |              |      |         |      |       |           |                            |              |  |
| P                        |              |      |         |      |       |           |                            |              |  |
| Q                        |              |      |         |      |       |           |                            |              |  |

  

| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) |   |
|---|---|
| R   | <b>Stedman's Medical Dictionary, 23rd edition,<br/>pub. Williams and Wilkins Co., page 94. (1976)</b> |
| S   |   |
| T   |   |
| U   |   |

  

|                              |                         |  |
|------------------------------|-------------------------|--|
| EXAMINER<br><b>R. Schuch</b> | DATE<br><b>10/25/95</b> |  |
|------------------------------|-------------------------|--|

  

\* A copy of this reference is not being furnished with this office action.  
(See Manual of Patent Examining Procedure, section 707.05 (a).)

/cmw/  
8/2/2011

TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

| FORM PTO-892<br>(REV. 3-78)   |  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |         | SERIAL NO.<br>07/328,925       | GROUP/ART UNIT<br>186 | ATTACHMENT<br>TO PAPER<br>NUMBER<br>3 |                            |              |
|---|--|--|---------|--------------------------------|-----------------------|---------------------------------------|----------------------------|--------------|
| N TICE OF REFERENCES CITED  |  |  |         | APPLICANT(S)<br>SULLIVAN ET AL |                       |                                       |                            |              |
| U.S. PATENT DOCUMENTS   |  |  |         |                                |                       |                                       |                            |              |
|   | DOCUMENT NO.   | DATE   | NAME    | CLASS                          | SUB-CLASS             | FILING DATE IF APPROPRIATE            |                            |              |
| A   |  |  |         |                                |                       |                                       |                            |              |
| B   |  |  |         |                                |                       |                                       |                            |              |
| C   |  |  |         |                                |                       |                                       |                            |              |
| D   |  |  |         |                                |                       |                                       |                            |              |
| E   |  |  |         |                                |                       |                                       |                            |              |
| F   |  |  |         |                                |                       |                                       |                            |              |
| G   |  |  |         |                                |                       |                                       |                            |              |
| H   |  |  |         |                                |                       |                                       |                            |              |
| I   |  |  |         |                                |                       |                                       |                            |              |
| J   |  |  |         |                                |                       |                                       |                            |              |
| K   |  |  |         |                                |                       |                                       |                            |              |
| FOREIGN PATENT DOCUMENTS  |  |  |         |                                |                       |                                       |                            |              |
|   | DOCUMENT NO.   | DATE   | COUNTRY | NAME                           | CLASS                 | SUB-CLASS                             | PERTINENT<br>SHTS.<br>DWG. | PP.<br>SPEC. |
| L   |  |  |         |                                |                       |                                       |                            |              |
| M   |  |  |         |                                |                       |                                       |                            |              |
| N   |  |  |         |                                |                       |                                       |                            |              |
| O   |  |  |         |                                |                       |                                       |                            |              |
| P   |  |  |         |                                |                       |                                       |                            |              |
| Q   |  |  |         |                                |                       |                                       |                            |              |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)   |  |  |         |                                |                       |                                       |                            |              |
| R   | SULLIVAN ET AL PROC WEST PHARMACOL SOC 25: 185-92<br>1982    |  |         |                                |                       |                                       |                            |              |
| S   | CARRELETAL NATURE 221: 395-6 1969                            |  |         |                                |                       |                                       |                            |              |
| T   | MARTINEZ-HERNANDEZ J HISTOCHEM & CYTOCHEM 23: 146-148 (1976) |  |         |                                |                       |                                       |                            |              |
| U   |  |  |         |                                |                       |                                       |                            |              |
| EXAMINER<br>R. J. H. J. H.  |  |  |         | DATE<br>3/22/80                |                       |                                       |                            |              |
| * A copy of this reference is not being furnished with this office action.<br>(See Manual of Patent Examining Procedure, section 707.05 (a).) |  |  |         |                                |                       |                                       |                            |              |

BEST AVAILABLE COPY

cmw/  
8/2/2011

|                                   |                                       |   |             |
|-----------------------------------|---------------------------------------|---|-------------|
| <b>Notice of References Cited</b> | Application/Control No.<br>08/405,454 | Applicant(s)/Patent Under<br>Reexamination<br>SULLIVAN ET AL. |             |
|                                   | Examiner<br>MP WOODWARD               | Art Unit<br>1637  | Page 1 of 6 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
|   | A | US-  |                 |      |                |
|   | B | US-  |                 |      |                |
|   | C | US-  |                 |      |                |
|   | D | US-  |                 |      |                |
|   | E | US-  |                 |      |                |
|   | F | US-  |                 |      |                |
|   | G | US-  |                 |      |                |
|   | H | US-  |                 |      |                |
|   | I | US-  |                 |      |                |
|   | J | US-  |                 |      |                |
|   | K | US-  |                 |      |                |
|   | L | US-  |                 |      |                |
|   | M | US-  |                 |      |                |

**FOREIGN PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
|   | N |  |                 |         |      |                |
|   | O |  |                 |         |      |                |
|   | P |  |                 |         |      |                |
|   | Q |  |                 |         |      |                |
|   | R |  |                 |         |      |                |
|   | S |  |                 |         |      |                |
|   | T |  |                 |         |      |                |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)   |
|---|---|---|
|   | U | McGuire et al., Equine IgG and IgG(T) antibodies: Dependence of Precipitability on Both Antigen and Antibody Structure, Molecular Immunology 16:787-790 (1979).           |
|   | V | Karlson-Stuber et al., Antivenom Treatment in Vipera Berus Envenoming-Report of 30 cases, J Internal Medicine 235:57-61 (1994).   |
|   | W | Kukongviriyapan et al., Some Parameters of Affinity Chromatography in the Purification of Antibody Against Naja Naja Siamensis, J Immunological Methods 49:97-104 (1982). |
|   | X | Russell et al., Preparation of a new antivenin by affinity chromatography, Am J Trop Med Hyg 34:141-50 (1985).  |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

|                                   |                                       |   |             |
|-----------------------------------|---------------------------------------|---|-------------|
| <b>Notice of References Cited</b> | Application/Control No.<br>08/405,454 | Applicant(s)/Patent Under<br>Reexamination<br>SULLIVAN ET AL. |             |
|                                   | Examiner<br>MP WOODWARD               | Art Unit<br>1637  | Page 2 of 6 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
|   | A | US-  |                 |      |                |
|   | B | US-  |                 |      |                |
|   | C | US-  |                 |      |                |
|   | D | US-  |                 |      |                |
|   | E | US-  |                 |      |                |
|   | F | US-  |                 |      |                |
|   | G | US-  |                 |      |                |
|   | H | US-  |                 |      |                |
|   | I | US-  |                 |      |                |
|   | J | US-  |                 |      |                |
|   | K | US-  |                 |      |                |
|   | L | US-  |                 |      |                |
|   | M | US-  |                 |      |                |

**FOREIGN PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
|   | N |  |                 |         |      |                |
|   | O |  |                 |         |      |                |
|   | P |  |                 |         |      |                |
|   | Q |  |                 |         |      |                |
|   | R |  |                 |         |      |                |
|   | S |  |                 |         |      |                |
|   | T |  |                 |         |      |                |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)   |
|---|---|---|
|   | U | Martinez-Hernandez et al., Acrylamide affinity chromatography for immunohistochemistry. Purification of specific antibodies, The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society, 23:146-8 (1975). |
|   | V | Jeter et al., Anaphylaxis in guinea pigs challenged with antivenin preparations, Toxicon 21:729-30 (1983).  |
|   | W | Calderon-Aranda et al., Pharmacokinetics of the toxic fraction of Centruroides limpidus limpidus venom in experimentally envenomed rabbits and effects of immunotherapy with specific F(ab') <sub>2</sub> , Toxicon 37: 771-782 (1999).         |
|   | X | Ismail et al., Pharmacokinetics of 125I-labelled IgG, F(ab') <sub>2</sub> and Fab fractions of scorpion and snake antivenins: merits and potential for therapeutic use, Toxicon 36:1523-1528 (1998).  |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

|                                   |                                       |   |             |
|-----------------------------------|---------------------------------------|---|-------------|
| <b>Notice of References Cited</b> | Application/Control No.<br>08/405,454 | Applicant(s)/Patent Under<br>Reexamination<br>SULLIVAN ET AL. |             |
|                                   | Examiner<br>MP WOODWARD               | Art Unit<br>1637  | Page 3 of 6 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
|   | A | US-  |                 |      |                |
|   | B | US-  |                 |      |                |
|   | C | US-  |                 |      |                |
|   | D | US-  |                 |      |                |
|   | E | US-  |                 |      |                |
|   | F | US-  |                 |      |                |
|   | G | US-  |                 |      |                |
|   | H | US-  |                 |      |                |
|   | I | US-  |                 |      |                |
|   | J | US-  |                 |      |                |
|   | K | US-  |                 |      |                |
|   | L | US-  |                 |      |                |
|   | M | US-  |                 |      |                |

**FOREIGN PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
|   | N |  |                 |         |      |                |
|   | O |  |                 |         |      |                |
|   | P |  |                 |         |      |                |
|   | Q |  |                 |         |      |                |
|   | R |  |                 |         |      |                |
|   | S |  |                 |         |      |                |
|   | T |  |                 |         |      |                |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)   |
|---|---|---|
|   | U | Coulter et al., Enzyme Immunoassay for the rapid clinical identification of snake venom, The Medical Journal of Australia 1:433-435 (1980).   |
|   | V | Grandgeorge et al., Preparation of improved F(ab') <sub>2</sub> antivenoms. An example: new polyvalent anti-European vipers (equine), Toxicon 34:148(1996).   |
|   | W | Guidlolin et al., Polyvalent horse F(Ab') <sub>2</sub> snake antivenom: development of process to produce polyvalent horse F(Ab') <sub>2</sub> antibodies anti-african snake venom, African J Biotechnology 9:2446-2455 (2010).   |
|   | X | A Comparison of Crotalinae (Pit Viper) Equine Immune F(ab) <sub>2</sub> Antivenom (Anavip) and Crotalidae Polyvalent Immune Fab, Ovine Antivenom (CroFab) in the Treatment of Pit Viper Envenomation,<br><a href="http://www.bioportfolio.com/resources/trial/78581/A-Comparison-Of-Crotalinae-pit-Viper-Equine-Immune-F-ab-2-Antivenom.html">http://www.bioportfolio.com/resources/trial/78581/A-Comparison-Of-Crotalinae-pit-Viper-Equine-Immune-F-ab-2-Antivenom.html</a><br>(LAST ACCESSED NOV. 2010) |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

*(cmw)*  
*8/2/2011*

|                                   |                                       |   |             |
|-----------------------------------|---------------------------------------|---|-------------|
| <b>Notice of References Cited</b> | Application/Control No.<br>08/405,454 | Applicant(s)/Patent Under<br>Reexamination<br>SULLIVAN ET AL. |             |
|                                   | Examiner<br>MP WOODWARD               | Art Unit<br>1637  | Page 4 of 6 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
|   | A | US-  |                 |      |                |
|   | B | US-  |                 |      |                |
|   | C | US-  |                 |      |                |
|   | D | US-  |                 |      |                |
|   | E | US-  |                 |      |                |
|   | F | US-  |                 |      |                |
|   | G | US-  |                 |      |                |
|   | H | US-  |                 |      |                |
|   | I | US-  |                 |      |                |
|   | J | US-  |                 |      |                |
|   | K | US-  |                 |      |                |
|   | L | US-  |                 |      |                |
|   | M | US-  |                 |      |                |

**FOREIGN PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
|   | N |  |                 |         |      |                |
|   | O |  |                 |         |      |                |
|   | P |  |                 |         |      |                |
|   | Q |  |                 |         |      |                |
|   | R |  |                 |         |      |                |
|   | S |  |                 |         |      |                |
|   | T |  |                 |         |      |                |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)   |
|---|---|---|
|   | U | de Vries, Isolation of snake venom toxins and study of their mechanism of action (1970).<br><a href="http://www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&amp;doc=GetTRDoc.pdf&amp;AD=AD0728504">http://www.dtic.mil/cgi-bin/GetTRDoc?Location=U2&amp;doc=GetTRDoc.pdf&amp;AD=AD0728504</a> |
|   | V | Leon et al., Comparative study on the ability of IgG and Fab sheep antivenoms to neutralize local hemorrhage, edema and myonecrosis induced by Bothrops asper (terciopelo) snake venom, Toxicon 38:233-244(2000).   |
|   | W | Orphan Drug, <a href="http://en.wikipedia.org/wiki/Orphan_drug">http://en.wikipedia.org/wiki/Orphan_drug</a> . (LAST ACCESSED NOV 2010), lcmwl 8/2/2011   |
|   | X | Otero-Patino et al., A randomized, blinded, comparative trial of one pepsin-digested and two whole IgG antivenoms for Bothrops snake bite in Uraba, Columbia, Am J Trop Med Hyg 58:183-189 (1998).  |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

|                                   |                                       |   |             |
|-----------------------------------|---------------------------------------|---|-------------|
| <b>Notice of References Cited</b> | Application/Control No.<br>08/405,454 | Applicant(s)/Patent Under<br>Reexamination<br>SULLIVAN ET AL. |             |
|                                   | Examiner<br>MP WOODWARD               | Art Unit<br>1637  | Page 5 of 6 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
|   | A | US-  |                 |      |                |
|   | B | US-  |                 |      |                |
|   | C | US-  |                 |      |                |
|   | D | US-  |                 |      |                |
|   | E | US-  |                 |      |                |
|   | F | US-  |                 |      |                |
|   | G | US-  |                 |      |                |
|   | H | US-  |                 |      |                |
|   | I | US-  |                 |      |                |
|   | J | US-  |                 |      |                |
|   | K | US-  |                 |      |                |
|   | L | US-  |                 |      |                |
|   | M | US-  |                 |      |                |

**FOREIGN PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
|   | N |  |                 |         |      |                |
|   | O |  |                 |         |      |                |
|   | P |  |                 |         |      |                |
|   | Q |  |                 |         |      |                |
|   | R |  |                 |         |      |                |
|   | S |  |                 |         |      |                |
|   | T |  |                 |         |      |                |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)   |
|---|---|---|
|   | U | Riviere et al., Effect of antivenom on venom pharmacokinetics in experimentally envenomed rabbits" toward an optimization of antivenom therapy, J Pharm and Exp Therap 281:1-8 (1997).  |
|   | V | Saetang et al., Quantitative comparison on the refinement of horse antivenom by salt fractionation and ion-exchange chromatography, J Chromatog 700:233-239 (1997).   |
|   | W | Sanofi Who Proposal, Application for inclusion of Equine F(ab') <sub>2</sub> antivenoms in the WHO model list for essential medicines,<br><a href="http://archives.who.int/eml/expcom/expcom15/applications/newmed/equine/antivenoms.pdf">http://archives.who.int/eml/expcom/expcom15/applications/newmed/equine/antivenoms.pdf</a> (LAST ACCESSED NOV 2010). /cmw/8/2/2011 |
|   | X | Sullivan et al., Protection against Crotalus venom lethality by monovalent, polyclonal F(ab) fragments: in search of a better snake trap, Vet Hum Toxicolgy 26:400 (1984) (Received National Library of Medicine September 25, 1984)  |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

|                                   |                                       |   |             |
|-----------------------------------|---------------------------------------|---|-------------|
| <b>Notice of References Cited</b> | Application/Control No.<br>08/405,454 | Applicant(s)/Patent Under<br>Reexamination<br>SULLIVAN ET AL. |             |
|                                   | Examiner<br>MP WOODWARD               | Art Unit<br>1637  | Page 6 of 6 |

**U.S. PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Name | Classification |
|---|---|--|-----------------|------|----------------|
|   | A | US-  |                 |      |                |
|   | B | US-  |                 |      |                |
|   | C | US-  |                 |      |                |
|   | D | US-  |                 |      |                |
|   | E | US-  |                 |      |                |
|   | F | US-  |                 |      |                |
|   | G | US-  |                 |      |                |
|   | H | US-  |                 |      |                |
|   | I | US-  |                 |      |                |
|   | J | US-  |                 |      |                |
|   | K | US-  |                 |      |                |
|   | L | US-  |                 |      |                |
|   | M | US-  |                 |      |                |

**FOREIGN PATENT DOCUMENTS**

| * |   | Document Number<br>Country Code-Number-Kind Code | Date<br>MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
|   | N |  |                 |         |      |                |
|   | O |  |                 |         |      |                |
|   | P |  |                 |         |      |                |
|   | Q |  |                 |         |      |                |
|   | R |  |                 |         |      |                |
|   | S |  |                 |         |      |                |
|   | T |  |                 |         |      |                |

**NON-PATENT DOCUMENTS**

| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)  |
|---|---|--|
|   | U | Sutherland et al., A study of the major Australian snake venoms in the monkey ( <i>Macaca Fascicularis</i> ) I. the movement of injected venom, methods which retard this movement, and the response to antivenoms, Pathology 13:13-27 (1981). |
|   | V | Amatoxin, <a href="http://en.wikipedia.org/wiki/Amatoxin">http://en.wikipedia.org/wiki/Amatoxin</a> 10/05/2010   |
|   | W |  |
|   | X |  |

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.